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PATENT TRADEMARK OFFICE

JYG149USA

JC20 Rec'd PCT/PTO 07 MAR 2002

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Rossier et al.

Application No.: 09/937,690

Filed: September 28, 2001

For: MICROSCALE TOTAL  
ANALYSIS SYSTEMCommissioner for Patents  
Box PCT  
U. S. Patent and Trademark Office  
Washington, DC 20231

Attn: Application Division

Examiner:

Group Art Unit:

CERTIFICATE UNDER 37 CFR 1.8(a)

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Date

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

In compliance with their duty to disclose under 37 CFR §1.56(a), Applicants and their attorneys herewith submit a copy of each document identified on the attached Form PTO-1449, and request that they be considered in the examination of the above-identified patent application. This Information Disclosure Statement is being filed before the mailing date of the first office action on the merits pursuant to 37 CFR §1.97(b)(3).

The documents marked with an asterisk (\*) were cited in the international search report for international application No. PCT/EP00/02887.

The documents marked with a double asterisk (\*\*) were cited in the British search report for corresponding British application No. GB9907249.8.

### U.S. PATENTS

- \* (AA) U.S. Patent No. 5,017,473 issued on May 21, 1991
- \* (AB) U.S. Patent No. 4,621,059 issued on November 4, 1986
- \* (AC) U.S. Patent No. 5,624,850 issued on April 29, 1997
- \* (AD) U.S. Patent No. 5,585,069 issued on December 17, 1996

### FOREIGN PATENT DOCUMENTS

- \* (AE) International PCT publication No. WO 93/10454  
published on May 27, 1993
- \* (AF) International PCT publication No. WO 97/23773  
published on July 3, 1997
- \* (AG) International PCT publication No. WO 98/49344  
published on November 5, 1998
- \*\* (AH) International PCT publication No. WO 97/02357  
published on January 23, 1997
- \*\* (AI) International PCT publication No. WO 97/04297  
published on February 6, 1997
- \*\* (AJ) International PCT publication No. WO 93/24231  
published on December 9, 1993
- \*\* (AK) International PCT publication No. WO 94/09366  
published on April 28, 1994

### OTHER DOCUMENTS

- \* (AL) Effenhauser, C. S. et al., "Detection of Single DNA Molecules and DNA Fragment Analysis in Molded Silicone Elastomer Microchips", *Analytical Methods & Instrumentation, Special Issue  $\mu$ TAS '96*, XP-000916638, pp. 124-125, 1996 (month unknown).
- \* (AM) Tjerkstra R. W. et al., "Electrochemical Fabrication of Multi Walled Micro Channels", *MESA Research Institute, University of Twente*, XP-000874456, pp. 133-136, October 1998.

### REMARKS

International PCT publication Nos. WO 97/02357, WO 97/04297, WO 93/24231 and WO 94/09366 were cited in the British search report.

The remaining references are cited in the international search report. International PCT publication No. WO 93/10454 provides an English language translation of EP 0 649 534 and is therefore provided instead of the cited European patent document. The Effenhauser article is also discussed in the specification of the present application.


All of the above cited documents are provided in full in the English language.

No representation is made hereby that these documents provide all of the art and the Examiner is presumed to conduct an independent search of the art. However, these documents do form all of the relevant art of which the Applicants are presently aware. If Applicants become aware of additional relevant art during the prosecution of this application, Applicants will bring such art to the attention of the Examiner by means of a Supplemental Information Disclosure Statement.

The Examiner is respectfully requested to consider the enclosed documents and to make the same of record in the file of the present application.

In the event that a fee for the Information Disclosure Statement is required, please charge the fee to our Deposit Account No. 08-3040.

Respectfully submitted,  
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Form PTO-1449 U.S. Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT	Atty. Docket No. <b>JYG149USA</b>	Serial No. <b>09/937,690</b>
	Applicant: Rossier et al.	
	Filing Date: September 28, 2001	Group Art Unit:

## U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Name	Class	Subclass
	AA	5,017,473	5/1991	Wagner	435	7.92
	AB	4,621,059	11/1986	Rokugawa	435	291
	AC	5,624,850	4/1997	Kumar et al.	436	527
	AD	5,585,069	12/1996	Zanzucchi et al.	422	100

## FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Translation Yes	No
	AE	WO 93/10454	5/1993	International PCT		
	AF	WO 97/23773	7/1997	International PCT		
	AG	WO 98/49344	11/1998	International PCT		
	AH	WO 97/02357	1/1997	International PCT		
	AI	WO 97/04297	2/1997	International PCT		
	AJ	WO 93/24231	12/1993	International PCT		
	AK	WO 94/09366	4/1994	International PCT		

## Other Documents (including Author, Title, Date, Pertinent Pages, Etc.)

	AL	Effenhauser, C. S. et al., "Detection of Single DNA Molecules and DNA Fragment Analysis in Molded Silicone Elastomer Microchips", <i>Analytical Methods &amp; Instrumentation, Special Issue <math>\mu</math>TAS '96</i> , XP-000916638, pp. 124-125, 1996 (month unknown).
	AM	Tjerkstra R. W. et al., "Electrochemical Fabrication of Multi Walled Micro Channels", <i>MESA Research Institute, University of Twente</i> , XP-000874456, pp. 133-136, October 1998.

\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.